

The background of the slide is a photograph of several oat stalks. The stalks are thin and light brown, with numerous oat heads (spikes) attached. The oat heads are a golden-brown color and have a characteristic elongated, slightly curved shape. They are arranged in a way that creates a sense of depth and movement, as if the stalks are swaying. The background is a clear, light blue sky, which provides a high-contrast backdrop for the oat stalks.

T3/Oat tutorials

Tutorial 2: Creating line panels in T3/Oat

<https://triticeaetoolbox.org/oat/>

T3 line panels

Line panels are sets of preselected lines that help to make data selection in T3 easy

- T3/Oat has a selection of public line panels
- Registered users can create their own private line panels
- Custom line panels are saved between T3 sessions
- Private line panels can be made public upon request

Preselected line sets

Panel

CORE AFRI109 line panel
CORE Spring line panel
CORE Winter line panel
POGI 2015 entries
UEOPN entries
UMOPN entries
UOWUN entries

Tutorial 2: Outline

1. Register/login
2. Selecting T3 lines
3. Creating a line panel
4. Selecting a line panel
5. Deleting or modifying a custom line panel

Section 1: Register/login

- Navigate to the T3/Oat homepage at <https://triticeaetoolbox.org/oat/>
- Register and login to view additional items in the Select menu
 - My Line Panels
 - My Marker Panels

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T3/Oat

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Wizard (Lines, Traits, Trials)

Lines by Properties

Lines by Phenotype

Lines by Haplotype

Lines by Genotype Experiment

My Line Panels

My Marker Panels

Traits and Trials

Markers

Welcome: T3/Oat

Welcome to T3/Oat!

T3/Oat is the repository of oat phenotype and genotype data for the Global Oat Genetics Database, a project initiated in January 2014 by

• Gabe Gusmini (PepsiCo)

• Joe Lutz (General Mills)

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• Kay Simmons, Jack Okamura, Jose Costa, Jean-Luc Jannink, and Gerard Lazo (USDA-ARS)

Section 2: Selecting T3 lines

First select the lines that you want to form your custom line panel
using one of the T3 line selection tools
e.g. Select menu> Line by Properties

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Section 2: Selecting T3 lines

For example, UEOPN entries that were tested in trials in 2013

Select Lines by Properties

Passport data

Name	Source	Year	Species
<input type="text"/> E.g. Cayuga, tur*ey, iwa860* Synonyms will be translated.	ABC--AAFC Agassiz	2015	abyssinica
	AES--University of California	2014	nuda
	ALB--University of Alberta	2013	sativa
	AUB--AAES, Auburn University	2012	strigosa
	AUS--Australian Department of Agriculture	2011	sterilis
	BPB--Boreal Plant Breeding Ltd.	2010	brevis
	CDC--University of Saskatchewan		hybrid

Genetic characters

Category	Property/Gene	Value/Allele
<div><div>Agronomic</div><div>Quality</div><div>Morphological</div><div>Abiotic stress</div><div>Biotic stress</div></div>	Select a Category.	

Preselected line sets

Panel
CORE AFRI109 line panel
CORE Spring line panel
CORE Winter line panel
POGI 2015 entries
UEOPN 2016 entries
UEOPN entries
UEOPN 2016 entries

Search Clear

NB: This will return UEOPN entries that were tested in **all T3 trials** in the selected year. Additional filtering may be required to gain the exact entry list for the UEOPN in the year selected.

Section 2: Selecting T3 lines

Twenty-eight lines from the UEOPN line panel were tested in T3 trials in 2013

- “Add to Selected” if you wish to continue with your selection
- Be sure to “Clear” your selections if you want to make a completely new selection

Select Lines by Properties

Passport data

Name	Source	Year	Species
<input type="text"/>	ABC--AAFC Agassiz AES--University of California ALB--University of Alberta AUB--AAES, Auburn University AUS--Australian Department of Agriculture BPP--Boreal Plant Breeding Ltd. CSC--University of Saskatchewan	2015 2014 2013 2012 2011 2010	abyssinica nuda sativa strigosa sterilis brevis beaked

E.g. Cayuga, tur*ey, iwa860*
Synonyms will be translated.

Genetic characters

Category	Property/Gene	Value/Allele
Agronomic Quality Morphological Abiotic stress Biotic stress	Select a Category.	

Preselected line sets

Panel
CORE AFRI09 line panel CORE Spring line panel CORE Winter line panel POGI 2015 entries UEOPN 2016 entries UEOPN entries UEOPN 2016 entries

Search Clear

Lines found: 28 [Add to Selected](#)

IL07-8258
IL08-8153
IL08-9201
MN09103
MN09105
MN10121
MN10130
MN11115
MN11139
P0714A1-29-2
P075A1-7
SD110304
SD110466
SD110470

[Show line information](#)

Section 2: Selecting T3 lines

- Your line selection will be summarized in the “Current selections” portion of the T3 side panel
- Clicking the “Lines” link will take you back to the “Select Lines by Properties” tool

T3/Oat

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Quick Links

Current selections:

Lines: 28

Markers: All

Traits: 0

[Phenotype Trials](#)

[Genotype Experiments](#)

Quick search

Select Lines by Properties

Passport data

Name	Source	Year	Species
<input type="text"/>	ABC--AAFC Agassiz	2015	abyssinica
	AES--University of California	2014	nuda
	ALB--University of Alberta	2013	sativa
	AUB--AAES, Auburn University	2012	strigosa
	AUS--Australian Department of Agriculture	2011	sterilis
	BPB--Boreal Plant Breeding Ltd.	2010	brevis
	CDC--University of Saskatchewan		hybrid

E.g. Cayuga, tur*ey, iwa860*

Section 3: Creating a line panel

To create your line panel

- Choose the Select menu> My Line Panels

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Section 3: Creating a line panel

- Your currently selected lines will be displayed in the “Create a Line Panel” portion of the page
- You can manually remove lines from your selection using the “Deselect highlighted lines” option

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Quick Links

Current selections:

Lines: 28

Markers: All

Traits: 0

[Phenotype Trials](#)

[Genotype Experiments](#)

Quick search...

What's New

Create a Line Panel

Currently selected lines: 28

IL07-8258
IL06-8153
IL08-9201
MN09103
MN09105
MN10121
MN10130
MN11115
MN11139
P0714A1-29-2
P075A1-7

[Deselect highlighted lines](#)

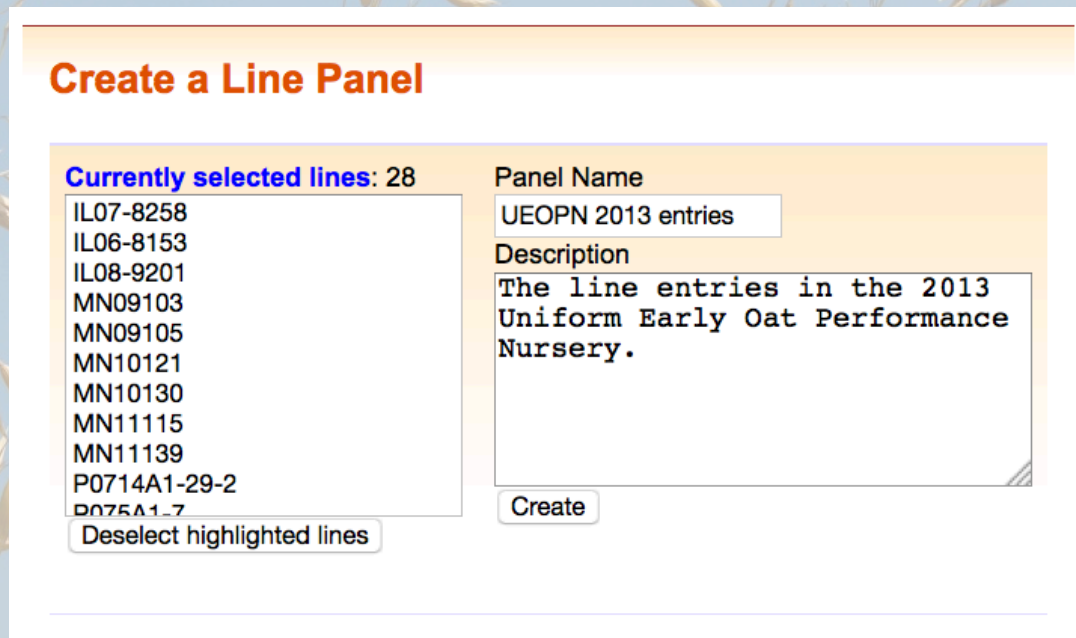
Panel Name

Description

[Create](#)

Section 3: Creating a line panel

Name your custom line panel



The screenshot shows a web form titled "Create a Line Panel" in orange text. It is divided into two main sections. The left section, titled "Currently selected lines: 28" in blue, contains a list of 28 line numbers: IL07-8258, IL06-8153, IL08-9201, MN09103, MN09105, MN10121, MN10130, MN11115, MN11139, P0714A1-29-2, and P075A1-7. Below this list is a button labeled "Deselect highlighted lines". The right section contains a "Panel Name" field with the text "UEOPN 2013 entries" and a "Description" field with the text "The line entries in the 2013 Uniform Early Oat Performance Nursery.". A "Create" button is located at the bottom right of the form.

Create a Line Panel

Currently selected lines: 28

IL07-8258
IL06-8153
IL08-9201
MN09103
MN09105
MN10121
MN10130
MN11115
MN11139
P0714A1-29-2
P075A1-7

Deselect highlighted lines

Panel Name
UEOPN 2013 entries

Description
The line entries in the 2013
Uniform Early Oat Performance
Nursery.

Create

The line panel description is an optional field

Section 4: Selecting a line panel

Your custom line panels are private and appear above the public line panels in the “Select Lines by Properties” tool

Select Lines by Properties

Passport data

Name	Source	Year	Species
<input type="text"/>	ABC--AAFC Agassiz AES--University of California ALB--University of Alberta AUB--AAES, Auburn University AUS--Australian Department of Agriculture BPB--Boreal Plant Breeding Ltd. CDC--University of Saskatchewan	2015 2014 2013 2012 2011 2010	abyssinica nuda sativa strigosa sterilis brevis hybrid

E.g. Cayuga, tur*ey, iwa860*
Synonyms will be translated.

Genetic characters

Category	Property/Gene	Value/Allele
Agronomic Quality Morphological Abiotic stress Biotic stress	Select a Category.	

Preselected line sets

Panel
UEOPN 2013 entries Everybody's: CORE AFRI109 line panel CORE Spring line panel CORE Winter line panel POGI 2015 entries UEOPN 2016 entries

Section 5: Deleting or modifying a custom line panel

- Use the “My Panels” selection window to delete a custom line panel
- It is not possible to modify existing line panels, instead:
 - Select the line panel using the “Select Lines by Properties” tool
 - Modify your line selection
 - Delete the custom line panel
 - Recreate the custom line panel

Create a Line Panel

Currently selected lines: 28

- IL07-8258
- IL06-8153
- IL08-9201
- MN09103
- MN09105
- MN10121
- MN10130
- MN11115
- MN11139
- P0714A1-29-2
- P075A1-7

Deselect highlighted lines

Panel Name

Description

Create

My Panels

UEOPN 2013 entries

Delete

Panel	Lines	Description
<u>UEOPN 2013 entries</u>	28	The line entries in the 2013 Uniform Early Oat Performance Nursery.

Contact Us

Please contact us if you need help using T3/Oat

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Quick Links

[Login/Register](#)

Current selections:

[Lines](#): 0

[Markers](#): All

[Traits](#): 0

[Phenotype Trials](#)

[Genotype Experiments](#)

Quick search...

What's New

February 2016

Genetic Maps

An expanded oat consensus map (50,668 markers) is now [available](#) in addition to the Framework Oat Consensus Map (7,202 markers) and the 12 component maps used to develop the consensus map.

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For more information see the [Oat Global](#) website.

T3/Oat is built using the database schema and software developed for [The Triticeae Toolbox](#) (T3). T3 is the web portal for wheat and barley data generated by the [Triticeae Coordinated Agricultural Project](#) (T-CAP), funded by the National Institute for Food and Agriculture ([NIFA](#)) of the US Department of Agriculture ([USDA](#)). [More...](#)

Participants: The templates and instructions for data submission are [here](#). If your data are not totally public, please check the [Data Usage Policy](#).

[Data submission](#)